20030207.qrp v02_n824.qrl.20030207

Date: Fri, 7 Feb 2003 19:03:08 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 2824

QRP-L Digest 2824

Topics covered in this issue include:

Date: Thu, 6 Feb 2003 13:15:27 -0800 (PST)
From: Lloyd Lachow <llachow@yahoo.com>
To: a low-energy group <qrp-l@lehigh.edu>
Subject: [145845] Re: fox qso
Message-ID: <20030206211527.72726.qmail@web41001.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Bill ROWLETT (kc4atu@yahoo.com)wrote:

    "...You can't
change your contest entry after the fact, so you
should not be able to chathishius either."

    Although, as a Fox, I log with pencil and paper, I
agree never to chathishius ever again, and here's
hoping the other Foxii will join me in this pledge.

;-}

=====
73, 72 es oo, Lloyd, K3ESE
  K1 # 00379 - 20/40M Rock-Mites - Hunk o' Wahr
        ARRL - ARS #1301 - FISTS #8774 - WATPK #8
               FPqrp #476 - QRParci #11147
                 QRP-L #2415 - SOC #530
                      Fun = Skill / Power
           "You can't spell Lloyd without lol!"

Date: Thu, 06 Feb 2003 16:16:02 -0500
From: Kenneth Cooperstein <cprstn54@att.net>
To: qrp-l@Lehigh.EDU
Subject: [145846] Re: 2M CW QRP calling frequency?
Message-ID: <3E42D092.77054D32@att.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7BIT

After posting here, I searched the web some more and got a few hits
indicating that 144.060 is the QRP CW calling frequency. See, e.g.:
http://www.njqrp.org/data/qrp_freqs.html

I receved a number of private emails stating that it was 144.200. None
said 144.060.

What's the story with 144.060?

Ken KC2JDY

Date: Thu, 06 Feb 2003 16:20:37 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: "Brice D. Hornback" <bdh@cyberbound.net>, qrp-l@lehigh.edu
Subject: [145847] Re: SMT Work
Message-ID: <5.2.0.9.2.20030206161407.01ebe260@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

It isn't a matter of superglue "attacking" the board. Superglue is fine-if
you want the chip to stay there forever. But ruin a glued-down component
somehow, and getting it off the board is likely to take some pc board with
it. Why risk that?

And, I repeat: it's the superglue REMOVERS that may very well attack the pc
board, solder mask, and adjacent components. So, again, why risk that?

Of course, if you never blow any components, it wouldn't be a problem. And: I'm not at all against superglue. But, as with all adhesives, it has its applications where you should use it-and there are some where a different adhesive is better. This is one of them.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 6 Feb 2003 16:31:26 -0500
From: "Tom Pennebaker" <n4rs@netpath-rc.net>
To: <kc4atu@yahoo.com>,
        "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145848] Re: fox qso
Message-ID: <00e801c2ce27$1b3faf00$c5c36bd1@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm with you Bill, if you don't use a computer/logging program your gray matter is in dire need of a tune-up. It adds a whole new dimension to Ham Radio....Tom N4RS

Date: Thu, 6 Feb 2003 13:38:05 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: k1vp@grizzy.com,

Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145849] Re: Is digital moving in?
Message-ID: <20030206213805.19026.qmail@web14203.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Ed, yes on both items.

73 Bill kc4atu

Date: Thu, 6 Feb 2003 14:51:50 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Kenneth Cooperstein <cprstn54@att.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145850] Re: 2M CW QRP calling frequency?
Message-ID: <Pine.LNX.4.44.0302061442470.2930-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

To be more accurate, 144.000 to 144.100 MHz is a CW Only part of
the 2 meter band. Around here in the southwest we use 144.050 as a
calling frequency. Way East in Long Island I have no idea what's used
out there. Here we have nets and only then will you hear a signal on CW.

On Thu, 6 Feb 2003, Kenneth Cooperstein wrote:

> I see from the ARRL band plan that 144.050-144.100 is "general CW and
> weak signals."
>
> I have been searching this sub-band for days (QTH is Long Island, NY)
> and have heard nada.
>
> Is there a customary calling frequency in this sub-band?
>
> Ken KC2JDY
>
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 06 Feb 2003 22:45:27 +0000
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [145851] NC Fall all QRP
Message-ID: <5.1.0.14.0.20030206224119.02871c00@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Today it was NC that fell all counties QRP. Hollis, KC3X, made a trip down there to give it to me to finish off the state. Average power to work a NC county came in at 700 mWatts. There are only six counties in the state I have not managed to pick up QRPp.

Another nice fact for the day was that QSO put my average power to work a county in the US at just under 2 watts.

Only 33 more counties in 13 states to go for USA-CA all QRP CW.

73 de Larry.....WD3P in MD
http://www.wdp3.net/

Date: Thu, 6 Feb 2003 17:34:10 -0600
From: Bill Stietenroth <k5zty@juno.com>
To: n1tp@swfla.rr.com
Cc: qrp-l@Lehigh.EDU
Subject: [145852] Re: fox qso
Message-ID: <20030206.173411.-1516923.1.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's not the pen and ink that is inexcuseable it is the scraps of paper and disorganization that is inexcusable for a fox. He ought to be ready with at least a 8 1/2 X 11 pad of paper and a spare pencil. I have logged with pen and ink and can be just as accurate as I can with a computer. And, yes, I have been a Fox. I computer logged it in TR and it worked just fine. If a program can handle Sweepstakes exchange it can

handle the Fox exchange. This ain't heavy duty computing.

Bill, K5ZTY,
Houston, TX

Date: Thu, 6 Feb 2003 15:43:50 -0800 (PST)
From: Tom Popovic <ki3r@yahoo.com>
To: pschweit@mninter.net,
        Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145853] Re: a tree,,, can it be an antenna?
Message-ID: <20030206234350.11540.qmail@web11206.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

I used a length of #12 black insulated wire up the
side of a tree for 40 meter use out of my room in
college. The rig was kept hidden ...operated for the
year without getting caught. This was back in the
days when the girls had to be in at 10 PM HI HI.

73 God Bless Tom nr Pittsburgh
--- pschweit <pschweit@mninter.net> wrote:
> i remember seeing a diagram which one chooses a tree
> that is about 1/4
> wavelength tall,,, and feeding it with a gamma type
> match..
>
> has anyone attemted to use this tecnique to use a
> tree as antenna?
>
> de rob
> KA0PGQ
>

=====
The common good was the claim and justification of every
tyranny ever established over men. Every major horror of
history was committed in the name of altruistic motive...
Actors change, but the course of the tragedy remains the
same.   Ayn Rand 1943

Date: Thu, 6 Feb 2003 16:19:39 -0800
From: "Davies, Doug A FOR:EX" <Doug.Davies@gems3.gov.bc.ca>
To: "'qrp-l@Lehigh.EDU'" <qrp-l@Lehigh.EDU>
Subject: [145854] Re: Is digital moving in
Message-ID: <6506849CAEBBE24E913A22806016E40601502877@blaze.bcsc.gov.bc.ca>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"

Digital is "moving in" all over all of the bands. This is a direct result of the "new world order" in amateur radio whereby anyone who can memorize a few questions can get a ham ticket. Radio is not the primary reason for these individuals getting a license. Radio is only a vehicle by which they can use their computers to do something different. Most are computer people who want to play with electronic gadgets, radio being just one facet of it. Take a look at IRLP, Echolink, etc. Don't need to have a clue about radio, just how to hook it up to a computer. As one fellow here so eloquently put it, "Why spend all that money on antennas and fancy radios when you can work the same places all those other guys do from the comfort of your easy chair with just a handheld and a computer. Heck, with Echolink, you don't even need the handheld!!"

ARGHHHH!!!!!!!

Doug VA7DD

Date: Thu, 06 Feb 2003 16:37:04 -0800
From: Bob W7AVK <rsrolfne@atnet.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145855] Help with SMT kit
Message-ID: <3E42FFB0.3114A5C2@atnet.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello - I may have gotten myself in a bit too deep.
I've just received from KD1JV his audio filter / amplifier kit
addition to the ROCKMITEs. I'm looking forward to
mating this with my RM-40 but find I'm not that sure of
myself with SMT parts as I've just gone through a
pair of cataract procedures.

Might there be anyone who would put this fine little kit

together for me? I'll be glad to support your efforts.

Thanks

72 Bob W7AVK
K2 s/n 1414, K1 s/n 051

Date: Thu, 6 Feb 2003 18:56:57 -0500
From: "Marvin Moss" <mmoss@mindspring.com>
To: <qrp-l@lehigh.edu>
Subject: [145856] RS power supply schematic?
Message-ID: <001a01c2ce3b$70597b60$be5145cf@moss>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Can anyone send me a copy of the 22-510 RS power supply, please? (also
220-0510)

Marvin

Date: Thu, 6 Feb 2003 19:56:02 -0500
From: "Winston F. Jones" <winjones@ix.netcom.com>
To: <jpcummins@charter.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145857] Re: Crystal Radio kit closeout at RS
Message-ID: <002201c2ce43$b11b9220$710afea9@winston>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sometimes Radio Shack stores accidentally put the wrong price tag on the
shelf. If you call them on it, they'll usually let you have it at the
mismarked shelf price instead of the price listed on their computer. I've
had this happen before.
73, Winston K4CWQ

----- Original Message -----

From: "John P. Cummins, Sr." <jpcummins@charter.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, February 06, 2003 10:39 AM
Subject: Re: Crystal Radio kit closeout at RS

> I found these at both of the RS here and they are on sale for $5.97.
>
> Pickett, AD4S
>
> James R Giammanco wrote:
> > Here's another Radio Shack Closeout Alert.
> >
> > The crystal radio kit (#28-178) is on for $1.97
> >
> > Don't need or want a crystal radio, you say? Well remember that inside
> > you'll find a "polyvaricon" variable capacitor with knob to fit (about
$3
> > at parts places if you can find them), a germanium diode ($0.30 or so if
> > you can find them), a very high impedance earphone (about $2 from
> > Mouser), not to mention some loose wire and a coil.
> >
> > Buy two and you've almost got enough parts to build a little antenna
> > tuner.
> >
> > Cautionary note: At the store I visited the shelf tag was $1.97, but the
> > computer rang up $5 or so. They said the shelf tag was right, so that's
> > the price I got (bought all three they had).
> >
> > No pecuniary interest... just happy to find some goodies.
> >
> > 72
> > Jim N5IB
> >
> >
> >
> > _____
> > Sign Up for Juno Platinum Internet Access Today
> > Only $9.95 per month!
> > Visit www.juno.com
> >
>
>
>

Date: Thu, 6 Feb 2003 18:58:36 -0600
From: Nick Kennedy <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [145858] Ten Tec boxes on sale
Message-ID: <01C2CE11.C1A86640.nkennedy@tcainternet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Not sure if this has been posted before or not. Ten-Tec is having a clearance on their famous boxes--seem to run about 1/3rd of normal price.
 I just got a few in and they look nice.

http://www.tentec.com/enc_closeout.htm

72--Nick, WA5BDU
in Arkansas

Date: Thu, 6 Feb 2003 19:37:13 -0600
From: "Stuart Rohre" <rohre@arlut.utexas.edu>
To: "pschweit" <pschweit@mninter.net>, <qrp-l@Lehigh.EDU>
Subject: [145859] Trees used as antennas
Message-ID: <028c01c2ce49$707845a0$4e100a0a@rohredt2000>

The Army played with this maybe in the 1980's or 70's?

I remember seeing a picture of a loop girdling a tree trunk and hooked to coax.

I also remember that they found it to be pretty inefficient at HF. Maybe 1 per cent of your power got radiated or less.

  As a side note, about 1966, we found in 9M2 land (tropics) that the rain forest attenuated ham bands except for a narrow window near 4 MHz (top of 80m).

That frequency would get out with dipoles laid over low trees and low power of 25 watts or so, AM. Big forest trees there were 100 feet tall.

I would not waste much time on trees; but I do know green trees work better. As you might imagine, the water content being higher means more conduction.

73, Stuart K5KVH
Now if you are strapped for space, the EH antenna is interesting, and I know a local who worked with one on 20m from indoors atop a lamp shade.

(This is the two pizza pie pans with coil and cap in series between their centers.) Google.com search for "EH Antenna" There is a web page design aid for them.

Date: Fri, 07 Feb 2003 02:08:59 +0000
From: k4vib@att.net
To: qrp-l@lehigh.edu
Subject: [145860] Transistor Input Impedance
Message-ID: <200302070209.h17295Ix015487@rain.CC.Lehigh.EDU>

Does transistor input impedance = input resistance?? I saw a formula 26 (beta)/Ie for input resistance. Does this hold true for common collector as well as common emitter configurations?

I'm finally starting to understand how to figure out the gain needed in each of my transmitter stages but am stumped on how to figure out the input impedance of the transistors.

Thanks,

Bill
K4VIB

Date: Thu, 06 Feb 2003 21:16:34 -0500
From: Ed Tanton <n4xy@earthlink.net>
To: QRP-L Reflector <qrp-l@lehigh.edu>,
        noGA reflector <nogaqrp@mailman.qth.net>
Subject: [145861] Quick shipment from Allied...
Message-ID: <5.2.0.9.2.20030206210311.02c68e00@pop.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

I haven't ordered anything from Allied in years. The other night, while roaming through their catalog I noticed they had some SMT J-FETs. Now, they're not all THAT rare, yet Digikey doesn't stock any. (Mouser DOES though.) So... I figured I'd give 'em a try, seeing as how I've been meaning to get some (SMT J-FETs) and I wanted to see how they (Allied) would perform on a small order.

Also, I just ordered that Peak Atlas LCR Meter, and it uses an odd, pretty small, 12V Alkaline battery: several variations on "21"... but I ordered

the "MN-21A". Around a buck apiece. I still have the original battery in my other Atlas, the transistor checker (which has been missing for months, and finally turned up, hiding out with a batch of transistors I've been looking for, for QUITE a while. So, anyhow, I will have two units using that battery, and they have a good date code through 2007. They look like a 1/2 length AAA cell, but are-as I said-12V.

Bottom line on Allied? Easy to place the order, charged to plastic; very prompt shipment of a bunch (250) of the J-FETs (MMBF4391LT1s) and the 5 batteries, with reasonable S/H fees. ~ $35 order. With that huge catalog, they have a LOT of parts... and didn't seem to mind a measly $35 order.

Chalk up one more way the Internet has really helped us "little guys" when dealing with large corporations.

73 Ed Tanton N4XY <n4xy@earthlink.net>

Ed Tanton N4XY
189 Pioneer Trail
Marietta, GA 30068-3466

website: http://www.n4xy.com

LM: ARRL QCWA AMSAT & INDEXA;
SEDXC NCDXA GACW QRP-ARCI
OK-QRP QRP-L #758 K2 (FT) #00057

Date: Thu, 06 Feb 2003 18:26:19 -0800
From: Eric Swartz WA6HHQ - Elecraft <eric@elecraft.com>
To: QRP-L <qrp-l@lehigh.edu>, elecraft@mailman.qth.net
Subject: [145862] Elecraft heading out to Orlando Hamfest
Message-ID: <3E43194B.9040106@elecraft.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii; format=flowed
Content-Transfer-Encoding: 7bit

I'm heading out early tomorrow for a day of flying to Orlando. (Should be lots of fun getting all of my demo equipment through airport security :^0)

See you all this weekend! I'll be at booth #62.

By the way, is there a group getting together for dinner Saturday?

73, Eric WA6HHQ
http://www.elecraft.com

Date: Thu, 06 Feb 2003 21:42:43 -0500 (Eastern Standard Time)
From: W2AGN <w2agn@w2agn.net>
To: llachow@yahoo.com, qrp-l@Lehigh.EDU
Subject: [145863] Re: fox qso
Message-ID: <3E431D23.000005.26419@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

Last time I chathishius, I almost hurt myself.

+-++-++-++-++-+ John L. Sielke
 |W||2||A||G||N| http://www.w2agn.net [UPDATED]
 +-++-++-++-++-+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-------Original Message-------

From: llachow@yahoo.com
Date: Thursday, February 06, 2003 09:18:45 PM
To: Low Power Amateur Radio Discussion
Subject: Re: fox qso

Bill ROWLETT (kc4atu@yahoo.com)wrote:

"...You can't
change your contest entry after the fact, so you
should not be able to chathishius either."

Although, as a Fox, I log with pencil and paper, I
agree never to chathishius ever again, and here's
hoping the other Foxii will join me in this pledge.

Date: Thu, 6 Feb 2003 20:56:42 -0600
From: "Dave Sjolin" <sjolin@swbell.net>
To: <cprstn54@att.net>, "Qrp-l Reflector" <qrp-l@Lehigh.EDU>
Subject: [145864] Re: 2M CW QRP calling frequency?
Message-ID: <00b701c2ce54$8c995930$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not enough cw activity in general to be concerned about a qrp cw frequency.

73 de Dave, N0IT

----- Original Message -----
From: "Kenneth Cooperstein" <cprstn54@att.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, February 06, 2003 3:16 PM
Subject: Re: 2M CW QRP calling frequency?

> After posting here, I searched the web some more and got a few hits
> indicating that 144.060 is the QRP CW calling frequency. See, e.g.:
> http://www.njqrp.org/data/qrp_freqs.html
>
> I receved a number of private emails stating that it was 144.200. None
> said 144.060.
>
> What's the story with 144.060?
>
> Ken KC2JDY
>
>

Date: Thu, 6 Feb 2003 21:01:10 -0600
From: "Dave Sjolin" <sjolin@swbell.net>
To: <k5di@zianet.com>,
	"Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145865] Re: 2M CW QRP calling frequency?
Message-ID: <00c301c2ce55$2bf05d30$78d1fea9@DaveSjolin>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Karl, might 144.050 operation unintentionally qrm EME operations in some areas? I believe they generally operate from bottom to somewhat about 144.050. Obviously if you dont have someone operating moonbounce in your neighborhood, you dont have a problem as 5 watts isnt going to propagate via the moon.

73 de Dave, N0IT

----- Original Message -----
From: "Karl F. Larsen" <k5di@zianet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, February 06, 2003 3:51 PM
Subject: Re: 2M CW QRP calling frequency?

>
> To be more accurate, 144.000 to 144.100 MHz is a CW Only part of
> the 2 meter band. Around here in the southwest we use 144.050 as a
> calling frequency. Way East in Long Island I have no idea what's used
> out there. Here we have nets and only then will you hear a signal on CW.
>
> On Thu, 6 Feb 2003, Kenneth Cooperstein wrote:
>
> > I see from the ARRL band plan that 144.050-144.100 is "general CW and
> > weak signals."
> >
> > I have been searching this sub-band for days (QTH is Long Island, NY)
> > and have heard nada.
> >
> > Is there a customary calling frequency in this sub-band?
> >
> > Ken KC2JDY
> >
> >
> >
> >
>
> --
>
>   - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
>

Date: Thu, 6 Feb 2003 20:10:04 -0700 (MST)

From: "Karl F. Larsen" <k5di@zianet.com>
To: qrp-l@lehigh.edu
Subject: [145866] FOX: Triple but hard work!
Message-ID: <Pine.LNX.4.44.0302061953060.3501-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I found the Truffel on 7.04362 MHz and called up one and got him very fast. Then Pat the Fox took over the frequency but he was *WEAK* compared to Jay AJ4AY the Truffel. I called him 50 times and gave up. Found Don NK6A on 7.0652 MHz and he was not loud either! I called Don about 50 times with no luck.

So went back up to Pat's frequency and it was still active but maybe just a little more clear, and Pat was a little stronger. I called him a few times and he came right back at 0238 and I had a Pelt!

Now back to Don's frequency and he is going strong but still pretty weak with QRM on his frequency. There I called a few times and Don called k5dw? and sent his numbers and again said k5dw? bk. I came back with de k5di k5di 559 NM KARL 5W de k5di k5di bk. Don came back with bk k5di TU... and this happened at 0244. I had the second Pelt!

I fear Don had his receiver preamp on and AGC on and 10 db attenuator off. He is having trouble working the strong guys too.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Thu, 6 Feb 2003 19:10:49 -0800 (PST)
From: Bill ROWLETT <kc4atu@yahoo.com>
To: qrp-l@Lehigh.EDU
Subject: [145867] Chathishius
Message-ID: <20030207031049.64890.qmail@web14204.mail.yahoo.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Gee, I can't understand why more of you do not know
what CHATHISHIUS is. It means "change this".

I use Yahoo Mail here for this list because it is
free, all hams are cheap, and it keeps the other
account free for the xyl's buisness. The one problem

with Yahoo is the spell check will do weird things at
times, and I don't always catch it. Sorry about that.

73 and I must get the snow shovel ready as northern
Va. is getting it again.

Bill   kc4atu

Date: Thu, 6 Feb 2003 20:21:09 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Dave Sjolin <sjolin@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145868] Re: 2M CW QRP calling frequency?
Message-ID: <Pine.LNX.4.44.0302062018570.3513-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Dave we DO have Moon Bounce operators here and on 2 meters they seem
to hang around 144.032 or about there. You do not get on their frequency
by accident. They run 1500 watts and are LOUD!

On Thu, 6 Feb 2003, Dave Sjolin wrote:

> Karl, might 144.050 operation unintentionally qrm EME operations in some
> areas? I believe they generally operate from bottom to somewhat about
> 144.050. Obviously if you dont have someone operating moonbounce in your
> neighborhood, you dont have a problem as 5 watts isnt going to propagate via
> the moon.
>
> 73 de Dave, N0IT
>
> ----- Original Message -----
> From: "Karl F. Larsen" <k5di@zianet.com>
> To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> Sent: Thursday, February 06, 2003 3:51 PM
> Subject: Re: 2M CW QRP calling frequency?
>
>
> >

> > To be more accurate, 144.000 to 144.100 MHz is a CW Only part of
> > the 2 meter band. Around here in the southwest we use 144.050 as a
> > calling frequency. Way East in Long Island I have no idea what's used
> > out there. Here we have nets and only then will you hear a signal on CW.
> >
> > On Thu, 6 Feb 2003, Kenneth Cooperstein wrote:
> >
> > > I see from the ARRL band plan that 144.050-144.100 is "general CW and
> > > weak signals."
> > >
> > > I have been searching this sub-band for days (QTH is Long Island, NY)
> > > and have heard nada.
> > >
> > > Is there a customary calling frequency in this sub-band?
> > >
> > > Ken KC2JDY
> > >
> > >
> > >
> > >
> >
> > --
> >
> >   - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
> >
>
>
>

--

               - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

----

Date: Thu, 6 Feb 2003 22:21:39 -0500
From: <jeff@ke9v.com>
To: <qrp-l@lehigh.edu>
Subject: [145869] Spartan Sprint Logger
Message-ID: <009b01c2ce58$0816a1a0$9800a8c0@ke9v>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I jumped back into the Spartan Sprint Monday night after a few months
off.

Checking the ARS Web page I noticed that there was a free logger
available.

It worked GREAT and when the Sprint was over I exported the log (ADIF)
and imported it into my main log DXBase.

Everything worked slick as a whistle and it even allowed me to send my
soapbox and score automagically.

Very nice package and well worth a look. You can get the program from
the Adventure Radio Society Web page at:

http://www.natworld.com/ars/

I snagged a few screenshots of the program if you want to take a look
here:

http://www.ke9v.com/sprints/splog_screen.html

72,
--
Jeff, Ke9v

Date: Thu, 06 Feb 2003 22:26:17 -0500
From: David Hinerman <WD8CIV@worldnet.att.net>
To: qrp-l@lehigh.edu
Subject: [145870] Re: Quick shipment from Allied...
Message-ID: <5.1.1.6.1.20030206222219.00b30b90@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

>Also, I just ordered that Peak Atlas LCR Meter, and it uses an odd, pretty
>small, 12V Alkaline battery: several variations on "21"... but I ordered
>the "MN-21A". Around a buck apiece. I still have the original battery in
>my other Atlas, the transistor checker (which has been missing for months,
>and finally turned up, hiding out with a batch of transistors I've been
>looking for, for QUITE a while. So, anyhow, I will have two units using
>that battery, and they have a good date code through 2007. They look like
>a 1/2 length AAA cell, but are-as I said-12V.

Ed,

If that's the battery I'm thinking of, it's used in car remote keyless entry transmitters. They can usually be found at stores that sell camera and watch batteries (in other words, just about anywhere) although they usually cost a darned sight more that a buck apiece.

Thanks for the favorable report on Allied - it's great to have a choice.

Dave

Dave Hinerman
WD8CIV@att.net

Date: Thu, 06 Feb 2003 22:26:38 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [145871] Orlando Saturday
Message-ID: <3E42E11E.7521.356546@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

I will be meeting with N1TP on the concourse at 1200 on Saturday. Anyone wondering the fairgrounds is welcome to join us.

Eric...I will try to come by and say hello

See y'all this weekend

Henry
aka N5HF

Date: Thu, 06 Feb 2003 22:26:38 -0500
From: "Henry Freedenberg" <henryf@quartz.gly.fsu.edu>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145872] Re: Comparator Questions-Inquiring minds want to know
Message-ID: <3E42E11E.5856.3563B3@localhost>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-description: Mail message body

Thanks to everybody for the advice.

I think that I am going to try and reverse engineer the circuit found here:

http://www.livorsi.com/instructions/GW3GS.pdf

but I only need one channel. I have never seen the commercial unit but, on the web,
it costs about $100. I think that the circuit can be built with $3-4 worth of parts. I also
found a 555 circuit that will give me Vcc+ and Vcc- for the 339/393. These chips are
cheap and I have several of them. If they begin to fail, I will try to upgrade to a 293.

I will file a report and maybe post some pix (if anyone is interested) when I get it
done.

Tnx

Henry

Date: Thu, 06 Feb 2003 22:33:08 -0500
From: Paul Womble <pwomble1@tampabay.rr.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [145873] Fox: Swamp Rat Sweep
Message-ID: <3E4328F4.31662C0D@tampabay.rr.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

N1TP and K4FB have both put pelts on the wall.

The other Swamp Rats were heard with excellent signals.

The Pesky Texans were very loud tonight. Of course that will result in
additional rules for their participation in the rest of the hunts :-)

73
Paul K4FB & Tom N1TP

Date: Thu, 6 Feb 2003 20:49:12 -0700

From: "Rod N0RC" <rod@n0rc.us>
To: "qrp-l" <qrp-l@Lehigh.EDU>, "cqc-l" <CQCLIST@yahoogroups.com>
Subject: [145874] It's getting to be 30m time in the evenings!
Message-ID: <000501c2ce5b$e134e0c0$6401a8c0@greyrock>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

It is time to listen to 30m in the evening hours. Last week I managed to work AH3D, the Johnston Atoll DXexpedition, @0343z; and tonight D44AC at @0220z.

They weren't quite QRP level but I did use a minimum of power, as required. :-)

73, Rod N0RC

Date: Thu, 06 Feb 2003 22:56:12 -0500
From: "Brice D. Hornback" <bdh@cyberbound.net>
To: qrp-l@Lehigh.EDU
Subject: [145875] Re: Ten Tec boxes on sale
Message-ID: <022301c2ce5c$db59be40$6501a8c0@cstltn01.in.comcast.net>
MIME-version: 1.0
Content-type: text/plain; charset=iso-8859-1
Content-transfer-encoding: 7BIT

Thanks for the heads up! I just ordered a dozen of them and can't wait to get some of my rigs and test equipment put inside nice enclosures!

73/72/71! de Brice KA8MAV
http://www.QRPp-I.com
http://www.MiniatureMachines.com

----- Original Message -----
From: "Nick Kennedy" <nkennedy@tcainternet.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Thursday, February 06, 2003 7:58 PM
Subject: Ten Tec boxes on sale

> Not sure if this has been posted before or not. Ten-Tec is having a

> clearance on their famous boxes--seem to run about 1/3rd of normal price.
> I just got a few in and they look nice.
>
> http://www.tentec.com/enc_closeout.htm
>
> 72--Nick, WA5BDU
> in Arkansas
>

Date: Thu, 6 Feb 2003 23:25:43 -0500
From: "Ken Newman" <N2CQ@Dandy.Net>
To: "W3BG" <W3BG@arrl.net>, "Norm Into" <normk8ni@neo.rr.com>,
        "N4SO" <N4SO@Juno.com>, "List Elecraft" <Elecraft@mailman.qth.net>,
Subject: [145876] [CONTEST] N2CQ QRP Contest Calendar - Feb 6/28
Message-ID: <000901c2ce61$037edaf0$0b0a0a0a@D910G521>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

~~~~~~
N2CQ QRP CONTEST CALENDAR
February 6-28, 2003
~~~~~~
40 METER FOXHUNTS
Fox Hunt - Thursdays - 9pm EST, 8PM CST, 7PM MST and 6PM PST.
           Info: http://www.cqc.org/fox
Truffle Hunt - Thursdays - 30 min before Fox Hunt
           Info: http://fpqrp.com/pig_hunt.html
~~~~~~
Dutch PACC Contest (Ph/CW) ... QRP Category
Feb 8 - 1200z to Feb 9 - 1200z
Rules: http://www.dutchpacc.com/
~~~~~~
FISTS Winter Sprint (CW of course) ...QRP Category
Feb 8 - 1700z to 2100z
Rules: http://www.fists.org/sprints.html
~~~~~~
North American Sprint (CW) ... QRP Category
Feb 9 - 0000z to 0400z
Rules: http://www.ncjweb.com/sprintrules.php
~~~~~~
QRP ARCI Fireside Sprint (SSB) ...QRP Contest!

Feb 9 - 2000z to 2400z
Rules: http://personal.palouse.net/rfoltz/arci/firesid.htm
~~~~~~
ARRL International DX Contest (CW) ... QRP Category
Feb 15 - 0000z to Feb 16 - 2400z
Rules: http://www.arrl.org/contests/rules/2003/intldx.html
~~~~~~
CQ WW 160-Meter DX Contest (SSB) ... QRP Category
Feb 22 - 0000z to Feb 23 - 2359z
Rules: http://www.cq-amateur-radio.com/infoc.html
~~~~~~
UBA DX Contest - Belgium (CW) ... QRP Category
Feb 22 - 1300z to Feb 23 - 1300z
Rules: http://www.uba.be
~~~~~~
FBYO Winter QRP Field Day (CW/SSB) ... QRP Contest!
Feb 22 - 1600z to 2400z
Rules: http://www.extremezone.com/~nk7m/fybo2003.htm
~~~~~~
High Speed CW Club Contest ... QRP Category
Feb 23 - 0900z to 1100z
Feb 23 - 1500z to 1700z
Rules: http://www.morsecode.dutch.nl/hscindex.html
~~~~~~
North Carolina QSO Party (CW/SSB)
Feb 23 - 1700z to Feb 24 - 0300z
Rules: http://www.w4nc.com
~~~~~~
Colorado QRP Club Winter QSO Party (CW/SSB) ... QRP Contest!
Feb 23 - 2200 Local to Feb 24 - 0359 Local
Rules: http://www.cqc.org/contests
~~~~~~
Please send your sprint or contest info to: N2CQ@ARRL.NET
We will include it in the calendar.
Thanks to WA7BNM, SM3CER, N0AX/ARRL and others for assistance in
compiling this calendar.

Anyone may use this "N2CQ QRP Contest Calendar" for your website,
newsletter, e-mail list or other media as you choose.
(Include a credit to the source of this material of course.)

72 de
Ken Newman - N2CQ
N2CQ@ARRL.NET

**** N2CQ QRP Contest Calendar ****
http://www.njqrp.org/data/contesting.html
http://www.n3epa.org/Pages/Contest/contest.htm

http://www.qsl.net/cqrp/contests.html

Date: Thu, 06 Feb 2003 20:36:52 -0800
From: Dick Ballard <ballardr@att.net>
To: qrp-l@lehigh.edu
Subject: [145877] Quick shipment from Allied...
Message-ID: <rqd64v8u02osmjniqlnencuotdgrm2okom@4ax.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable

That style of 12v battery is commonly used in garage door opener
transmitters (the ones you clip to your sun visor).

Dick Ballard
Beaverton OR
W7AND

On Thu, 06 Feb 2003 21:16:34 -0500, you wrote:

>I haven't ordered anything from Allied in years. The other night, while=20
>roaming through their catalog I noticed they had some SMT J-FETs. Now,=20
>they're not all THAT rare, yet Digikey doesn't stock any. (Mouser DOES=20
>though.) So... I figured I'd give 'em a try, seeing as how I've been=20
>meaning to get some (SMT J-FETs) and I wanted to see how they (Allied)=20
>would perform on a small order.
>
>Also, I just ordered that Peak Atlas LCR Meter, and it uses an odd, =
pretty=20
>small, 12V Alkaline battery: several variations on "21"... but I ordered=
=20
>the "MN-21A". Around a buck apiece. I still have the original battery in=
 my=20
>other Atlas, the transistor checker (which has been missing for months, =
and=20
>finally turned up, hiding out with a batch of transistors I've been =
looking=20
>for, for QUITE a while. So, anyhow, I will have two units using that=20
>battery, and they have a good date code through 2007. They look like a =
1/2=20
>length AAA cell, but are-as I said-12V.
>
>Bottom line on Allied? Easy to place the order, charged to plastic; very=
=20

>prompt shipment of a bunch (250) of the J-FETs (MMBF4391LT1s) and the 5=20
>batteries, with reasonable S/H fees. ~ $35 order. With that huge =
catalog,=20
>they have a LOT of parts... and didn't seem to mind a measly $35 order.
>
>Chalk up one more way the Internet has really helped us "little guys" =
when=20
>dealing with large corporations.
>
>73 Ed Tanton N4XY <n4xy@earthlink.net>

Date: Thu, 6 Feb 2003 21:59:18 -0700
From: "Thomas Kuehl" <ac7a@earthlink.net>
To: <k4vib@att.net>,
        "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [145878] Re: Transistor Input Impedance
Message-ID: <001b01c2ce65$abb4d950$0a0110ac@texas6oef4glwm>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Bill,

The bipolar transistor input impedance (Z = R +/-jX), at low frequencies, is essentially equal to the input resistance (Z = R). That is because the reactance component of "Z" is usually negligible at low frequencies. However, as the frequency applied is increased, the junction capacitances become significant and you are now dealing with an input impedance that has both the resistive and reactive components. Then, more complex models are required to describe and derive the input impedance.

The equation you have stated is for a common-emitter linear amplifier, operated at low frequency. It is a simplified equation derived from a more complex equations, but is completely adequate for DC and audio frequency applications. This only holds if the emitter resistor is completely bypassed at the lowest frequency of use. Once an unbpassed emitter is introduced, the input resistance increases with frequency (to a point).

Since a common-collector amplifier does not use a bypassed emitter resistor, the input resistance does not follow the equation you listed. Here is an approximate equation for a small-sgnal amplifier:

Ri = (beta + 1) (26mV/Ie + Re)   where Re is the emitter resistor value and Ie is in amps

This equation holds for a common-emitter amplifier that does not use a
bypassed emitter resistor (emitter degeneration).

Regards, Thomas - AC7A (Tucson)

Date: Thu, 06 Feb 2003 22:26:32 -0600
From: Pat Cain <pcain@ix.netcom.com>
To: qrp-l@Lehigh.EDU
Subject: [145879] FOX: K0PC Fox Log
Message-ID: <5.1.1.6.0.20030206222623.00a4f900@mail.mchsi.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Thanks to all who stopped by. You kept me going for the whole two hours,=20
just what I was hoping for. It looks like the total is 127 for this hunt.=20
Conditions were very good tonight. I didn't hear any QRM and very little=
 QSB.

Thanks to Jay AJ4AY for warming up the frequency during the Truffle Hunt!

I'll be back next month on March 6th and I hope conditions are as good as=20
tonight.

73,
Pat K=D8PC

0201	NA8M	559	MI	JOHN	5W
0202	N9NE	589	WI	TODD	5W
0203	N4ROA	559	VA	DAN	5W
0203	W0CH	579	MO	DAVE	5W
0204	WD9F	559	IL	WOODY	5W
0205	N1FN	559	CO	ET	5W
0206	K9IUA	559	IA	KEVIN	5W
0206	WA8BXN	559	OH	MIKE	5W
0207	N3BJ	559	VA	ALAN	5W
0208	W5YR	559	TX	GEORGE	5W
0209	K5JHP	559	TX	BILL	5W
0209	K4BYF	559	FL	JACK	3W
0210	K0EVZ	559	SD	DOC	5W

0211	WE9K	599	WI	GLENN	5W
0212	NM5M	559	TX	ERIC	5W
0212	KR5C	559	TX	GEORGE	5W
0213	K5OT	559	WI	LARRY	3W
0214	N4BP	559	FL	BOB	5W
0215	K3IU	559	RI	KEN	5W
0216	KB9YIG	589	IN	TONY	500MW
0217	AD6JV	559	VA	BILL	5W
0218	AC5JH	559	OK	TOM	5W
0219	N5ZE	559	TX	LEW	5W
0220	KK5LD	599	TX	DAN	5W
0221	K5DW	559	TX	DON	5W
0222	N0TK	559	CO	DAN	5W
0222	AA5O	559	LA	VERN	5W
0223	W2AGN	599	NJ	JOHN	5W
0224	WA9TZE	579	WI	JIM	5W
0224	NK9G	559	WI	RICK	5W
0225	VE6KG	559	AB	NORM	5W
0226	K3PH	599	PA	BOB	5W
0226	K5SR	559	TX	DALE	5W
0228	W8SFF	559	MI	STEVE	5W
0229	KC9LC	559	VA	RANDY	5W
0229	W9XU	559	WI	LON	5W
0230	K0FRP	599	CO	AL	5W
0230	K9IA	559	WI	CHUCK	5W
0231	VE6EX	559	AB	DAN	5W
0232	W9HL	559	IL	RANDY	5W
0233	N9AW	559	WI	JERRY	5W
0233	W5TB	559	TX	DOC	5W
0234	VE5RC	229	SK	BRUCE	5W
0235	WA8ZBT	559	TX	DENNIS	5W
0236	W5USJ	559	TX	CHUCK	5W
0237	W4YN	559	NC	TIM	5W
0238	K4FB	579	FL	PAUL	5W
0238	K5DI	559	NM	KARL	5W
0239	N1TP	569	FL	TOM	5W
0240	AB5XQ	559	AR	BILL	5W
0240	N2WW	559	CO	LARRY	5W
0241	W5TIZ	599	AR	DICK	5W
0242	K5ZTY	559	TX	BILL	5W
0243	K5AIC	559	TX	HERB	5W
0243	KS4L	559	AL	RANDY	5W
0244	K2ZN	569	NY	AL	5W
0245	KK5NA	559	TX	JOE	5W
0246	AE4Y	559	GA	KENT	5W
0247	WB4X	559	NC	BRENT	5W
0247	KI0II	559	CO	RON	1W
0248	K5PSH	559	TX	JERRY	5W

0249	W8YMO	559	OH	HARRY	5W
0250	WW7Y	559	UT	STEVE	5W
0251	KB3EOF	559	MD	SANDY	5W
0251	K3ESE	559	MD	LLOYD	5W
0252	AF4LQ	559	KY	MIKE	5W
0253	WS4S	559	TN	CONARD	5W
0255	N0OR	559	CO	JIM	4W
0256	K5FSE	559	GA	JACK	5W
0256	VA6RF	559	AB	EARL	5W
0257	K4OAH	559	GA	REY	5W
0258	N8UW	599	OH	CHUCK	5W
0259	K9DC	559	IN	DAVE	5W
0300	N5WL	559	OK	BART	5W
0301	N3ZPQ	559	OH	FRANK	4W
0302	K5EOA	559	LA	WAYNE	5W
0303	AC7A	559	AZ	TOM	5W
0303	VE6JAZ	559	AB	ROB	5W
0304	KQ5U	559	TX	TERRY	5W
0305	KC2CK	559	NY	DON	5W
0306	AB9CA	559	AL	DAVE	5W
0307	KV2X	559	NY	TOM	5W
0308	W5KDJ	559	TX	WAYNE	3OOMW
0308	K4GT	559	GA	JIM	5W
0309	KG4LDY	559	VA	JIM	5W
0310	K6VNX	579	CA	ARLEN	5W
0311	NN5E	559	TX	VERN	5W
0312	KB7WW	559	OR	ART	5W
0313	KG6CYN	559	CA	TREV	5W
0314	NQ7X	559	AZ	FLOYD	5W
0314	K0UU	559	MN	JEFF	5W
0315	KF2P	559	NY	NICK	5W
0316	N0RC	559	CO	ROD	5W
0317	VE4WI	559	MB	CRAIG	5W
0317	W2RBA	559	NY	JOE	5W
0318	AF4AT	529	NC	JIM	5W
0319	K5OI	559	OK	TIM	5W
0319	KR0U	579	CO	TIM	5W
0320	WB6BWZ	559	GA	MATT	5W
0321	NB7F	559	OR	LEE	5W
0321	K6MMC	559	CA	MIKE	5W
0323	W7IU	559	WA	GARY	500MW
0324	N6LIF	559	TX	MARTIN	5W
0324	AJ4AY	559	AL	JAY	5W
0325	AE4TC	559	VA	SCOTT	5W
0326	KJ0C	559	MO	JIM	5W
0327	W2XN	559	FL	FRED	5W
0328	KC1FB	559	CT	JIM	500MW
0329	N0WX	559	MN	MIKE	5W

0331	W8DIZ	559	OH	DIZ	5W
0332	KI0RB	559	CO	VINCE	5W
0333	K8CV	559	FL	WALT	5W
0333	WA8NTA	559	CO	DICK	5W
0334	K2QO	599	NY	MARK	5W
0336	K5TR	559	TX	GEO	5W
0337	N0UR	559	MN	JIM	5W
0338	N5IB	559	LA	JIM	5W
0339	NN1F	559	NH	ARON	4W
0340	W7KXB	559	AZ	BILL	5W
0341	N0HRL	559	MN	KEN	5W
0344	W0RSP/7	559	AZ	ADE	2W
0346	NV4V	559	KY	PETE	5W
0347	NU8S	559	OH	DENNIS	5W
0348	K5TCC	559	TX	DOC	5W
0359	W4NJK	229	CA	CHARLIE	5W
0400	NK6A	FOX			
0400	K0PC	FOX			

Date: Fri, 7 Feb 2003 02:03:12 -0500 (EST)
From: "Scott Rosenfeld [N7JI]" <ham@w3eax.umd.edu>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145880] Re: 2M CW QRP calling frequency?
Message-ID: <Pine.LNX.4.44.0302070202170.14128-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

>From my operations on 2m weak signal (CW/SSB) I seem to remember 144.200
being the calling frequency for EITHER mode.

On VHF/UHF, crossmode contacts are actually OK and the two modes can
coexist nicely.

On Thu, 6 Feb 2003, Karl F. Larsen wrote:

>
> Hi Dave we DO have Moon Bounce operators here and on 2 meters they seem
> to hang around 144.032 or about there. You do not get on their frequency
> by accident. They run 1500 watts and are LOUD!
>
>
> On Thu, 6 Feb 2003, Dave Sjolin wrote:
>
> > Karl, might 144.050 operation unintentionally qrm EME operations in some

> > areas? I believe they generally operate from bottom to somewhat about
> > 144.050. Obviously if you dont have someone operating moonbounce in your
> > neighborhood, you dont have a problem as 5 watts isnt going to propagate via
> > the moon.
> >
> > 73 de Dave, N0IT
> >
> > ----- Original Message -----
> > From: "Karl F. Larsen" <k5di@zianet.com>
> > To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
> > Sent: Thursday, February 06, 2003 3:51 PM
> > Subject: Re: 2M CW QRP calling frequency?
> >
> >
> > >
> > > To be more accurate, 144.000 to 144.100 MHz is a CW Only part of
> > > the 2 meter band. Around here in the southwest we use 144.050 as a
> > > calling frequency. Way East in Long Island I have no idea what's used
> > > out there. Here we have nets and only then will you hear a signal on CW.
> > >
> > > On Thu, 6 Feb 2003, Kenneth Cooperstein wrote:
> > >
> > > > I see from the ARRL band plan that 144.050-144.100 is "general CW and
> > > > weak signals."
> > > >
> > > > I have been searching this sub-band for days (QTH is Long Island, NY)
> > > > and have heard nada.
> > > >
> > > > Is there a customary calling frequency in this sub-band?
> > > >
> > > > Ken KC2JDY
> > > >
> > > >
> > > >
> > > >
> > > >
> > > --
> > >
> > >   - Karl Larsen k5di Las Cruces,NM Az ScQRPions -
> > >
> > >
> > >
> > >
> >
> >

--
Scott Rosenfeld ARS N7JI

541-684-9970 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

Date: Thu, 6 Feb 2003 23:41:35 -0800
From: "Bob Okas" <vintage2@earthlink.net>
To: <k4vib@att.net>
Cc: <qrp-l@lehigh.edu>
Subject: [145881] Transistor Input Impedance
Message-ID: <FHEJJJPJADNLFNJNBOFAOEEDCDAA.vintage2@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Bill & Group,

re (r-sub-e) is the intrinsic emitter resistance in a transistor. It depends on the emitter current and this relationship is:

     re = 26/Ie   where Ie is the emitter current in mA.

The emitter current in a transistor operating in the linear regision is Ib(Beta + 1). Juggling terms around, and solving for base resistance, we get:

     Rb = 26 * (Beta + 1) / Ie

Since Beta is typically > 100, your formula is accurate enough. But, this is only true for low frequencies: much less than Ft. Recall that Ft denotes gain-bandwidth product, the frequency where the transistor's current gain = 1. A seldom-seen term is Fb (F-sub-Beta). This is defined as Ft / Beta. Interestingly, this is the -3dB point of the transistor's current gain curve. Above Fb the current gain decreases at a rate approximately equal to Ft / F.

In a common emitter circuit, the transistor's output resistance is essentially infinite: after all, it's a current source! The load resistance defines the output resistance of the stage. In a grounded or bypassed emitter configuration, the gain is:

     G = -RL/re

The sign denotes that the amplifier is inverting. This can be very large and vary from device to device since it depends on Beta. The way to get

predictable gain is insert some external, unbypassed series resistance (RE) in the emitter leg. Make it large with respect to the value of re and the gain becomes:

G ~= -RL/RE

This expression is fairly accurate for devices with Beta's > 100, like all of those 2N2222's in our junk boxes.

For a common collector amplifier, or emitter follower, the load resistance (RL) is in the emitter leg. Since the emitter current flows through this load, (score!) it gets mulitplied by Beta + 1. The input resistance for an emitter follower is expressed as:

Rin = (Beta + 1) (re + RL)

Looking back at the definition of re, we can see that this value gets very small with a modest emitter current of a few mA. With an RL of, say, 1K, it's safe to ignore re. The output resistance of an emitter follower depends on the signal source's series resistance (Rs):

Rout = re + (Rs / (B + 1))

OK, I've said more than I intended and I hope it's of use to some. I didn't mention biasing at all, but Hayward and DeMaw do a great job of explaining it in "Solid State Design for the Radio Amateur."

73,
Bob - W3CD

K4VIB pondered:

> Does transistor input impedance = input resistance?? I saw a formula 26
> (beta)/Ie for input resistance. Does this hold true for common collector
as
> well as common emitter configurations?
>
> I'm finally starting to understand how to figure out the gain needed in
each of
> my transmitter stages but am stumped on how to figure out the input
impedance
> of the transistors.
>
> Thanks,

>
> Bill
> K4VIB

Date: Fri, 7 Feb 2003 00:08:09 -0800
From: "David Rogers" <dr7zyq@imbris.net>
To: <qrp-l@Lehigh.EDU>
Subject: [145882] FS: 46 issues of Michigan QRP club 5 Watter club newsletter
Message-ID: <004101c2ce80$0dcefd40$3b8f12d8@dr7zyq>
MIME-Version: 1.0
Content-Type: text/plain;
	charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I have 46 issues of the Michigan QRP Club 5 Watter for sale. Reviews, technical articles, operating info, etc. Very decent condition. Much good reading.

$25.00 mailed within the USofA.

Thanks,

David, WA7ZYQ

* * * * * * * * * * * * * * *
"Nearly fifty percent of all graduates came from
the bottom half of the class."

Date: Fri, 7 Feb 2003 08:51:41 GMT
From: hamjoel@juno.com
To: fpqrp-l@mpna.com, qrp-l@Lehigh.EDU
Subject: [145883] New Zeland Falls
Message-ID: <20030207.005221.568.517323@webmail2.wlv.untd.com>

High y'all
    WORKED ZL4IR IN SOUTH ISLAND NEW ZELAND AT 5 WATTS SSB ON FORTY METERRS TONITE.... THE NEW ANT MIGHT BE WORKING....

KE1LA, JOEL
MAINE

KE1LA JOEL
IN MAINE
FREEZIN

Date: Fri, 7 Feb 2003 05:48:46 -0500
From: Dave Gingrich K9DC <gingrich2@dcg.org>
To: pcain@ix.netcom.com
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [145884] Re: FOX: K0PC Fox Log
Message-ID: <BBCCC49C-3A89-11D7-92AD-000393C78314@dcg.org>
Content-Type: text/plain; charset=US-ASCII; format=flowed
Mime-Version: 1.0 (Apple Message framework v551)
Content-Transfer-Encoding: 7bit

On Thursday, Feb 6, 2003, at 23:26 America/Indianapolis, Pat Cain wrote:

> Thanks to all who stopped by. You kept me going for the whole two
> hours, just what I was hoping for. It looks like the total is 127 for
> this hunt. Conditions were very good tonight. I didn't hear any QRM
> and very little QSB.

No kidding! Your sig here in Indiana was extraordinary last night,
over S9. Last week I was smoked out of MN. Could not even hear a
whisper of w0ufo.

==========
Dave Gingrich, K9DC
Indianapolis, Indiana USA
==========

Date: Fri, 7 Feb 2003 07:24:34 -0500
From: "brian" <brian@iquest.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>, "Flying Pigs" <fpqrp-l@fpqrp.com>

Subject: [145885] 10 Turn Pots
Message-ID: <006501c2cea3$e07154f0$0c64030a@bmurrey2K>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Of the 8 50K 10 Turn precision pots I had for sale, I have 2
remaining.

I have ready to ship:

2 for WA7TQK
2 for WB9ICN
2 for KC8USU

They are $18 each including shipping in the USA.

Part Number 3500S-2-503 and Mouser sells them for $38ea in QTY of 25

==
 KB9BVN/QRP - New Whiteland IN - EM69WN
 QRP-ARCI #10223 QRP-L #1540 FIST #5695
   FISTS CC #764 - Proud Member ARRL
 HEATH HW-9 @ 2W or NORCAL 40A @ 1.3W
   INTO INFAMOUS AF4PS ATTIC DIPOLE
  SOC #400 AND FLYING PIGS QRP #-57
==

Date: Fri, 7 Feb 2003 05:53:59 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Rod N0RC <rod@n0rc.us>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145886] Re: It's getting to be 30m time in the evenings!
Message-ID: <Pine.LNX.4.44.0302070552590.1318-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

What did you find the minimum power to be? Around 960 watts?

On Thu, 6 Feb 2003, Rod N0RC wrote:

> Folks,
>
> It is time to listen to 30m in the evening hours. Last week I managed to
> work AH3D, the Johnston Atoll DXexpedition, @0343z; and tonight D44AC at
> @0220z.
>
> They weren't quite QRP level but I did use a minimum of power, as
> required. :-)
>
> 73, Rod N0RC
>
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 07 Feb 2003 08:06:12 -0500
From: Alex <kr1st@amsat.org>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145887] Re: It's getting to be 30m time in the evenings!
Message-ID: <3E43AF44.7F0993D2@amsat.org>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

D44AC can also often be found on PSK31 on 20 meters in the evening. I
worked them a couple of days ago. FR5AH (Reunion Island) is there also
pretty much every evening with a nice S7 to S9 signal.

73,
--Alex KR1ST

Rod N0RC wrote:
>
> Folks,
>
> It is time to listen to 30m in the evening hours. Last week I managed to
> work AH3D, the Johnston Atoll DXexpedition, @0343z; and tonight D44AC at
> @0220z.
>
> They weren't quite QRP level but I did use a minimum of power, as
> required. :-)

>
> 73, Rod N0RC

Date: Fri, 7 Feb 2003 06:20:08 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Pat Cain <pcain@ix.netcom.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145888] Re: FOX: K0PC Fox Log
Message-ID: <Pine.LNX.4.44.0302070615000.1318-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Pat, your log is already in fine shape. While you didn't suffer any QRM where you were listening, we Hounds had plenty of QRM on your frequency. And lots of guys trying to clear the frequency. They sent QSL a lot and I need to look that up...:-)

If you used computer logging software I would like to know which one.

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 7 Feb 2003 06:31:42 -0700 (MST)
From: "Karl F. Larsen" <k5di@zianet.com>
To: Ed Lawson <k1vp@grizzy.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145889] Re: Is digital moving in?
Message-ID: <Pine.LNX.4.44.0302070624580.1359-100000@bucket.dog>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Ed, yes the Pactor Internet users have had to come down into the the lower end of 40 meters because anything above 7.100 MHz is QRM city with Broadcast Stations everywhere. They also use the high end of 30 meters and on 20 meters there are some new outlets that operate below 14.067 which for some time was the lowest pactor station on 20.

It might be time to move the QRP calling frequency down to a lower frequency.

On Thu, 6 Feb 2003, Ed Lawson wrote:

> It seems to me that over the past few years the digital modes are
> increasing moving downward into the area typically ued by QRP operators
> on 40 and 20. Is it just me, or have others noticed this? It also
> seems that slower speed hams, maybe new ones, are often heard more now
> around the QRP freq. too which I consider a good and healthy
> development for QRP and CW.
>
> Ed Lawson
> K1VP
>
>

--

- Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 07 Feb 2003 08:29:36 -0500 (Eastern Standard Time)
From: W2AGN <w2agn@w2agn.net>
To: qrp-l@Lehigh.EDU
Subject: [145890] FOX: 4th Twofer in a row!
Message-ID: <3E43B4C0.000003.18753@w2agn>
MIME-version: 1.0
Content-type: Text/Plain
Content-transfer-encoding: 7BIT

In spite of Don doing everything wrong ;-)

He was my #2 fox last night. Pat was an honest 599 here, but Don hung about 559 all night. I called him a long time, and finally got him.

I noted a QRO guy from Miami came up on his frequency. In spite of the baying of the hounds, who sounded like a crazed pack of Pekinese, he started a QSO with a guy in Boston. Then suddenly, one of those baying Pekes turned into a Rottweiler as he found his power control, and cranked it up. (I believe it was a well known Wisconsin Rottweiler, whose call I will not mention, but is well known in the NE.)

Anyway, that did it, the cur from Miami slinked off frequency with his tail between his legs.

BTW, I did this hunt with the K1. Worked great, no problem with no split VFO since the RIT/XIT works terrific. Ideal for fox hunt, or DX. Never used

the attenuator, and no RF gain, so I guess I was just lucky.

+-++-++-++-++-+ John L. Sielke
 |W||2||A||G||N| http://www.w2agn.net [UPDATED]
 +-++-++-++-++-+ Ex-K3HLU,TF2WKT,W7JEF,W4MPC,N4JS

-------Original Message-------

From: k5di@zianet.com
Date: Friday, February 07, 2003 01:10:34 AM
To: Low Power Amateur Radio Discussion
Subject: FOX: Triple but hard work!

I fear Don had his receiver preamp on and AGC on and 10 db attenuator
off. He is having trouble working the strong guys too.

Date: Fri, 07 Feb 2003 09:04:16 -0600
From: Pat Cain <pcain@ix.netcom.com>
To: "Karl F. Larsen" <k5di@zianet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [145891] Re: FOX: K0PC Fox Log
Message-ID: <5.1.1.6.0.20030207090003.02cfeba0@popd.ix.netcom.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"; format=flowed
Content-Transfer-Encoding: quoted-printable

Hi Karl,

I was using WriteLog last night. I've used it in contests for several years=
=20
and find it a very solid program. Thanks for the QSO to NM last night.

73,
Pat K=D8PC

At 06:20 AM 2/7/03 -0700, Karl F. Larsen wrote:

>   Hi Pat, your log is already in fine shape. While you didn't
>suffer any QRM where you were listening, we Hounds had plenty of QRM on
>your frequency. And lots of guys trying to clear the frequency. They
>sent QSL a lot and I need to look that up...:-)
>
>   If you used computer logging software I would like to know which
>one.
>

>--
>
>   - Karl Larsen k5di Las Cruces,NM Az ScQRPions -

Date: Fri, 7 Feb 2003 10:05:37 -0500
From: "w8diz" <w8diz@fpqrp.com>
To: <multipigplus@yahoogroups.com>
Cc: <qrp-l@Lehigh.EDU>, <fpqrp-l@fpqrp.com>
Subject: [145892] Update on the XMTR #3
Message-ID: <004701c2ceba$6175bc60$b8cf1d41@cinci.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
        charset="Windows-1252"
Content-Transfer-Encoding: 7bit

Hi All,

The schematic and parts layout for version 1.4 of the XMTR
is now on line http://www.kitsandparts.com/xmtr.html

You will note that the PCB is version 1.3 not 1.4
The differences are:
1. Several parts are not installed on PCB V1.3
2. 2 caps are soldered on the bottom of the PCB
3. 1 cap and 1 pot on the top of the PCB do not fit
   as per layout in V1.3 but function well.

This is a broadband RF amp that functions from 160 to 10 meters.
On 40 meters, with an input of 0.1 volts (50 ohm) = 200 uWatts,
the output is 10 Watts (50 ohm) or about 45 dB gain.

Also note on the PCB, you can install two versions of
final PA transistors such as the 2SC1945 and the 2SC1969
which have the emitter and collector reversed. For the MP+
kit, I am supplying the 2SC1945 as it does not need an insulator
on the TAB because the TAB is the emitter.

I have about 50 PCBs available to those of you that are not building
the MP+ at $10 or the whole kit at $34 shipped to your door.
PCBs and kits will be available to ship on Feb 24th. I also have
excess LowPass Filter kits available at $34 shipped to your door.

Again, for those not building the MP+ but want a generic broadband
transmitter chain that works for all the HF bands including 60 meters,
these kits will fill the need.

PS: Version 1.5 of the transmitter PCB will have a DC control
RF attenuator to set the power. This kit will not be available
until after FDIM-2003.

PPS: Anyone wishing to hear the MP+ on the air, send me a prive email.

72 & "oo's" - Dieter (DIZ) Gentzow - W8DIZ - Loveland, Ohio
Clermont County - EM79uf - near Cincinnati; 39:13:05N 84:18:18W
RIG:multiPIG+ ANT:470 FT Horiz Loop http://kitsandparts.com

Date: Fri, 7 Feb 2003 10:11:54 -0500
From: Haines Brown <brownh@hartford-hwp.com>
To: Doug.Davies@gems3.gov.bc.ca
Cc: qrp-l@Lehigh.EDU
Subject: [145893] Re: Is digital moving in
Message-ID: <200302071511.h17FBsiH029024@hartford-hwp.com>

Doug,

It seems to me that amateur radio appeals to communicators and to
tinkerers, and often a personality drawn to one will not find much
appeal in the other. I suppose the hobby gots its start from
tinkerers, but increasing numbers have entered it because it opens
opportunities for communications. Being more tinkerer than
communicator, I have no interest at all in HTs because they seem only
useful for idle chatting.

As an old-timer (drawn to amateur radio since the 50s), I know the
feeling of seeing an old familiar world dissolve piece by
piece. Sometimes old things of value can be preserved, but often we
need to give them up and focus instead on the value in what's
new. There are aspects of amateur radio, such as CW or building
equipment from scratch, that are in retreat, but there's new things,
like digital circuits and modes of communications, that have an appeal
quite their own.

Current trends do reduce the role of craftsmanship in the hobby, but I
suspect that is the inevitable result of technical progress (the
primary appeal of surface mount construction seems to be that it is
nearly impossible to do ;-). But there are other fields that offer
ample opportunity for craftsmanship, such as computer programming. The
loss to our hobby may be sad, but probably inevitable and not to be
regretted as long as people are still able to communicate and tinker.

Amateur radio faces competition, but it continues to offer fascinating new developments. Just because more people now prefer to tinker or communicate in other ways is not reason to condemn them. The really important thing is that we do these things, not how we do them.

Haines KB1GRM

Date: Fri, 07 Feb 2003 15:13:37 +0000
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [145894] [OT] Mostek Part Identity Help Needed
Message-ID: <F163WI0AT2JveR6IHup000005f6@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Anyone recognize a circa 1970s round metal can 10-pin part bearing the markings:

MOSTEK
MK6057L
1818-0048

I have reason to believe that the last number MIGHT be an HP number.

Any help is appreciated.

TNX

Brad

End of QRP-L Digest 2824
****
